

Aviva® Host Integration SDK™

Designed for Oracle 9i™ Application Server



Integrate host data into new applications developed for Oracle 9i™ Application Server

Aviva has developed the Aviva Host Integration Software Developer's Kit (AHI SDK) to integrate legacy applications running on IBM mainframe, AS/400, DEC and UNIX operating environments into new J2EE, Web Services and Portal applications.

Aviva Host Integration SDK packages powerful and flexible Java libraries, components and tools with advanced features, intuitive samples and online documentation.



Revitalize your mainframe applications quickly and easily using Aviva Host Integration SDK. Non-intrusive integration of existing mainframe data is essential to the functionality and effectiveness of new e-Business applications. Using Aviva Host Integration SDK you can record host transactions in real-time and automatically generate a 'Hostlet' - J2EE compliant code that encapsulates the host transaction behavior.

The Designed for Oracle9i Application Server version of Aviva Host Integration SDK provides Oracle9iAS developers the tools required to quickly and easily integrate mainframe data into new J2EE, Web Services or Portal applications. This version of AHI SDK provides additional tools, not found in the Standard Edition of AHI SDK, specifically designed for the Oracle 9i Application Server platform.

Today, corporations need to integrate diverse applications and products from a variety of different platforms, including the mainframe, into a consolidated set of business applications. Aviva Host Integration SDK combined with Oracle 9i Application Server offers a complete solution to meet your application development needs.



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Aviva Host Integration SDK

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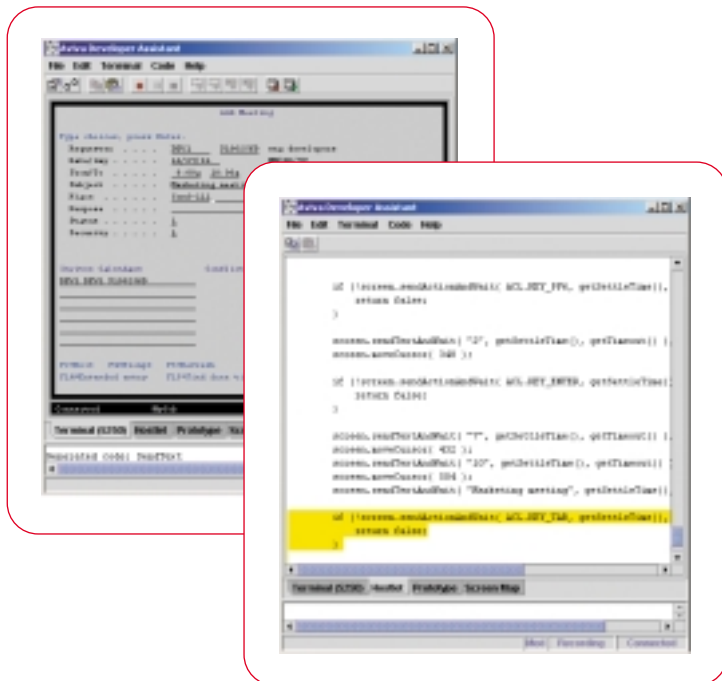
Hostlet Technology

Unique to Aviva Host Integration SDK! A 'Hostlet' is Java code automatically generated by the Aviva Developer Assistant (ADA) tool capturing the host transaction in real-time. Oracle9iAS developers can easily integrate 'Hostlets' into customized applications, saving you development time and reducing error.

Flexible, Easy-to-Use Development Tools

Aviva Host Integration SDK simplifies and accelerates the development of applications by alleviating the burden of screen scraping! And, the Aviva Trace Player is a great tool for developing, testing, or demonstrating your applications off-line.

Aviva Developer Assistant – this easy-to-use tool records host navigation sequences and automatically generates Hostlets, Java code that encapsulates the host transaction behavior. With this unique tool, developers can easily integrate Hostlets into new and unique J2EE, Web Services, or Portal applications. Oracle9iAS developers can also test their Hostlets by running the associated Java application Prototype.



Aviva Trace Player (ATP) – simulates a connection to a host using a pre-recorded Telnet trace file. It is a truly excellent tool for demonstrations, testing, training or troubleshooting applications when access to a live host is not possible!

Powerful Application Programming Interfaces (APIs) and Libraries

Aviva Host Integration SDK provides four powerful and flexible programming interfaces through which to integrate host data and create new secure J2EE, Web Services, or Portal applications for accessing IBM mainframe, AS/400, DEC and UNIX-based host applications.

Aviva Class Library (ACL) – the foundation upon which all other Aviva APIs are built. ACL encapsulates the complete protocol stack, up to and including 3270, 5250 and VT220 data stream handling for multi-host connectivity.

- Rich, scalable APIs – based on event-driven object model, provides session management and presentation data services

Extended Markup Language (XML) API – the Aviva XML API is used to develop XML-enabled applications, servlets or JSPs, providing an alternative for communicating with mainframes and AS/400s. XML technology offers extensive flexibility in transforming host data to presentation formats such as HTML and wireless markup languages such as WML and HDML.

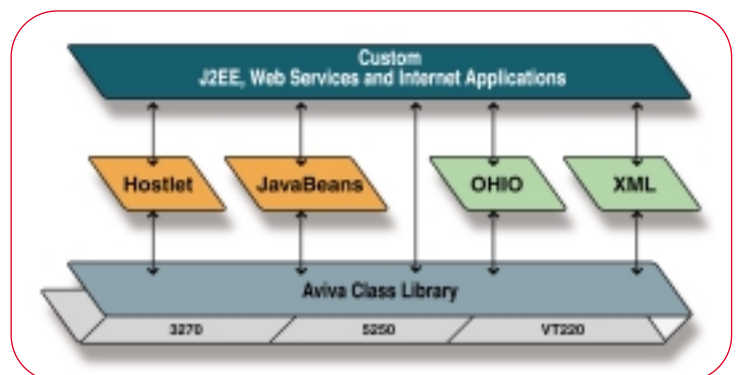
- Provides interoperability with heterogeneous enterprise systems (.NET, EJB,...)

Aviva JavaBeans – binary components that conform to Sun's standard JavaBeans specifications. Aviva JavaBeans can be manipulated visually from within an application builder to quickly and easily create new Java-based solutions. Applications written using the Aviva JavaBeans allow users to connect to a host and fully interact with it in a graphical environment.

- Rapid Application Development!

OHIO – easy to use, with capabilities similar to HLLAPI, Aviva Host Integration supports the most current draft version of OHIO (Open Host Interface Objects Interface).

- Vendor independence – writing an OHIO application enables seamless migration from vendor to vendor



Aviva Host Integration SDK™ development libraries available for the creation of customized solutions.

Key Benefits

Reduces Application Development Time

Aviva Host Integration SDK radically simplifies screen scraping. Time-to-develop applications is reduced from hours to minutes through the automatic generation of 'Hostlets' - unique to Aviva Host Integration SDK!

Easy to Learn, Easy to Use

Aviva Host Integration SDK enables Oracle9iAS developers with little or no mainframe knowledge to create secure Java applications for accessing host data. A variety of samples as well as comprehensive guides, references, and tutorials let you start building your customized server-based applications quickly and easily.

Customizable Templates

Aviva Host Integration SDK provides fully customizable templates to allow easy integration of Hostlet code into any J2EE, Web Services or Portal application.

Operating System Portability

Aviva Host Integration SDK is written entirely in Java and can be ported to any OS in accordance to the Java promise: "Write once, run anywhere".

Key Features

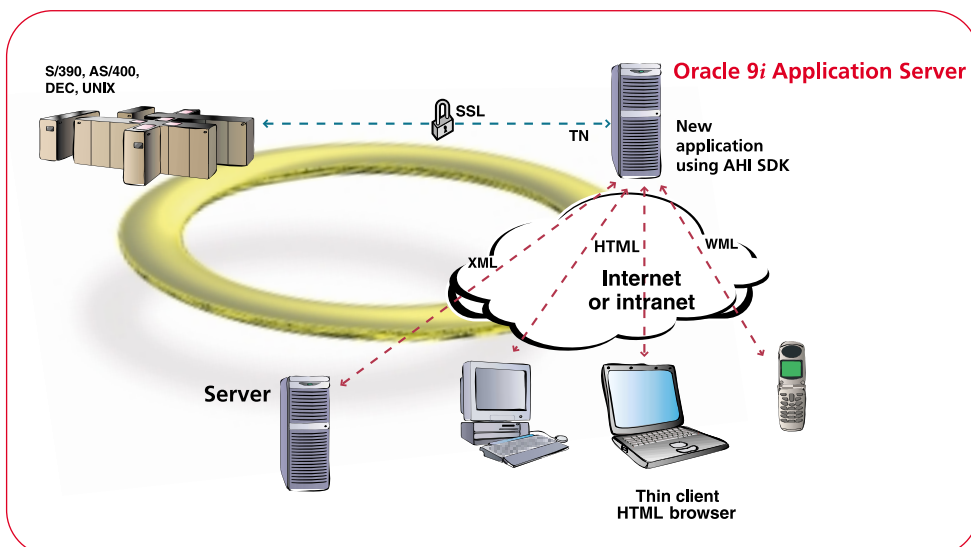
Aviva Host Integration SDK comes complete with flexible, robust and intuitive tools and also provides detailed, easy-to-use documentation and samples to get you going. Key benefits include:

- Robust, reusable components for programmatic Web access to legacy applications
- Includes full support for XML, SSL, and JavaBeans
- Automatic "Hostlet" generation
- J2EE compliant - including the code generated by the Aviva Developer Assistant
- Easy-to-use samples - sample Java applications, servlets and JSPs created with ACL, Aviva JavaBeans, XML and OHIO
- Comprehensive guides and tutorials
- Detailed HTML-based online help
- Integration with standard visual IDE
- Host simulation for off-line testing and troubleshooting of servlets and applications

"Aviva Host Integration (AHI) SDK provides Oracle Consulting with easy-to-use tools that simplify mainframe access enabling us to easily expose data and functionality into our enterprise portal offering. The solution offers streamlined navigation and single sign-on (SSO) capabilities to pieces of mainframe functionality. AHI SDK's support for standards such as Java, SSL, Servlets and JavaBeans allows for reduced development time and simpler integration with Oracle Application and Technology products."

John Linehan

Technical Director, Oracle Consulting



Aviva Host Integration SDK™ components can be used to create customized J2EE, Web Services or Portal applications that extend host information for e-business opportunities.



Aviva Host Integration SDK

Designed for Oracle 9i™ Application Server

Consulting and Training Services

We offer consulting and training programs designed to meet your specific needs. Trust Aviva Solutions to deliver. Put our experience to work for you.

SSL Security Support

Whether you are extending your new applications over the intranet, Internet or extranet, protecting the integrity of your host-based information is crucial. That is why we have designed Aviva Host Integration SDK to support SSL encryption. With Aviva Host Integration SDK, the applications you develop are secure, as well as reliable. What's more, using the built-in Aviva Security Redirector, non-SSL servers can be enabled to provide secure connections as well.

Aviva Security Redirector - adds a new dimension to host access security for any TN server running on a mainframe or AS/400.

Certificate Management Utility (CMU) – to create and manage client and server certificates.

Aviva Host Integration SDK - Technical Specifications

Capabilities

- 100% Java components supporting TN3270(E), TN5250(E) and VT220 connectivity to IBM mainframe, AS/400, DEC, and UNIX operating environments
- Security-enabling components providing weak or strong SSL encryption service (SSL version only)
- APIs for XML, Java Beans, OHIO, and direct access to the connectivity engine via the Aviva Class Library (ACL) API

Development requirements

- Windows 2000 Server (with Service Pack 2 or later)
- Java 2 Software Development Kit - Standard Edition (J2SE SDK) version 1.3.1
- Microsoft Internet Explorer 6.0 or Netscape 6.1
- 128 MB RAM (256 MB RAM recommended)
- 30 MB of hard disk space

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